

Rad23 Rabbit pAb

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Catalog # AP58601

Product Information

Predicted Host	Yeast, <i>Saccharomyces cerevisiae</i>
Clonality	Rabbit
Physical State	Polyclonal
Immunogen	Liquid
Epitope Specificity	KLH conjugated synthetic peptide derived from YEAST Rad23
Isotype	51-150/398
Purity	IgG
Buffer	affinity purified by Protein A
SUBCELLULAR LOCATION	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	Nucleus. Cytoplasm.
Background Descriptions	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. The RAD23 gene of <i>Saccharomyces cerevisiae</i> is required for excision-repair of UV damaged DNA (1). RAD23 resembles the other DNA repair genes, RAD2, RAD6, RAD7, RAD18, and RAD54, all of which also exhibit increased transcription in response to DNA damage and during meiosis (2). RAD23 encodes a nuclear protein containing a ubiquitin-like domain required for biological function (3). RAD23 bears a ubiquitin-like domain at its amino terminus and this ubiquitin-like domain affects protein function in a nonproteolytic manner (3). Rad23 is a highly conserved protein involved in nucleotide excision repair (NER) that associates with the proteasome via its amino-terminus (4). Its carboxy-terminal ubiquitin-associated domain is evolutionarily conserved from yeast to humans (4). In addition to a role in DNA repair events in yeast, several lines of evidence indicate that the Rad23 protein may regulate the activity of the 26 S proteasome (5).

Additional Information

Other Names	UV excision repair protein RAD23, RAD23
Dilution	ELISA=1:1000-5000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.